



PATENT  
Attorney Docket No. A-68718-4/RFT/RMS/RMK  
Attorney File No.: 463037-220

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

BLACKBURN, *et al.*

Serial No. 09/993,342

Filed: November 5, 2001

For: *Devices and Methods for  
Biochip Multiplexing*

Group No. 1744

Examiner: David A. Redding

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

Date: July 23, 2004

Signature 

Brent Yonehara

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
AND  
STATEMENT OF RELATEDNESS**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A. Copies of these references are enclosed.

Further, in accordance with the provisions of 37 C.F.R. § 1.98(a)(3) and MPEP§ 609(III)(A)(3), Applicant submits that reference no. B1 is not in the English language and directs the Examiner's attention to the English language abstract of same for a concise statement as to its relevance.

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Serial No.: 09/993,342  
Filed: November 5, 2001

Further, in satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and as required by M.P.E.P. § 2001.06(b), Applicant notes that the present application is related to the following pending patent applications:

1. U.S.S.N. 09/760,384, filed January 11, 2001; U.S.S.N. 09/904,175, filed July 11, 2001; U.S.S.N. 10/412,660, filed April 13, 2003;
2. U.S.S.N. 09/295,691, filed April 21, 1999; and
3. U.S.S.N. 10/714,489, filed November 14, 2003.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Pursuant to 37 C.F.R. §1.97(c), enclosed is a check in the amount of \$180.00 as set forth in 37 C.F.R. §1.17(p). While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 463037-00220 (A-68718-4/RFT/RMS/RMK)).

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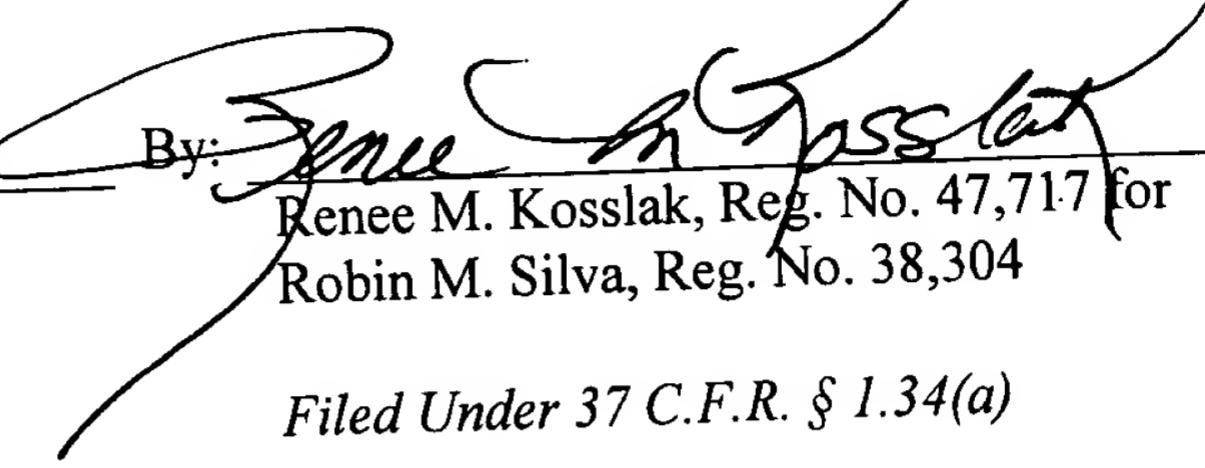
Please direct further questions in connection with this Application to the  
undersigned at (415) 781-1989.

Respectfully submitted,

DORSEY & WHITNEY LLP

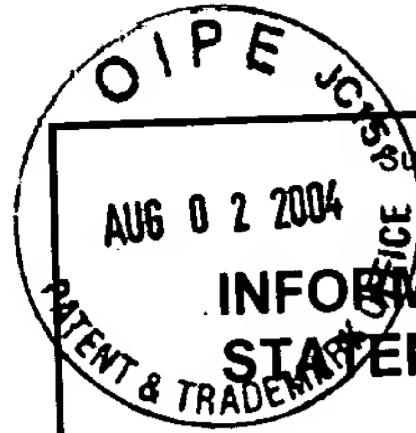
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Renee M. Kosslek, Reg. No. 47,717 for  
Robin M. Silva, Reg. No. 38,304

*Filed Under 37 C.F.R. § 1.34(a)*

Attachments: Form SB/08/A-B, substitute for Form PTO-1449  
52 cited references  
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Substitute for form 1449A/PTO (Modified)				<b>Complete if Known</b>	
				Application Number	09/993,342
				Filing Date	November 5, 2001
				First Named Inventor	BLACKBURN, Gary
				Art Unit	1744
				Examiner Name	REDDING, David A.
Sheet	1	of	2	Attorney Docket Number	A-68718-4/RFT/RMS/RMK (463037-00220)

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,619,511	11-09-1971	Ishikawa	
	A2	4,072,576	02-07-1978	Arwin et al.	
	A3	4,713,347	12-15-1987	Mitchell et al.	
	A4	5,038,852	08-13-1991	Johnson et al.	
	A5	5,100,775	03-31-1992	Smyczek et al.	
	A6	5,126,034	06-30-1992	Carter et al.	
	A7	5,164,319	11-17-1992	Hafeman et al.	
	A8	5,187,096	02-16-1993	Giaever et al.	
	A9	5,200,051	04-06-1993	Cozzette et al.	
	A10	5,471,515	11-28-1995	Fossum et al.	
	A11	5,486,335	01-23-1996	Wilding et al.	
	A12	5,532,128	07-02-1996	Eggers et al.	
	A13	5,585,069	12-17-1996	Zanzucchi et al.	
	A14	5,587,128	12-24-1996	Wilding et al.	
	A15	5,593,838	01-14-1997	Zanzucchi et al.	
	A16	5,603,351	02-18-1997	Cherukuri et al.	
	A17	5,605,662	02-25-1997	Heller et al.	
	A18	5,637,469	06-10-1997	Wilding et al.	
	A19	5,643,738	07-01-1997	Zanzucchi et al.	
	A20	5,653,939	08-05-1997	Hollis et al.	
	A21	5,670,322	09-23-1997	Eggers et al.	
	A22	5,681,484	10-28-1997	Zanzucchi et al.	
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	A25	5,755,942	05-26-1998	Zanzucchi et al.	
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	A29	5,863,502	01-26-1999	Southgate et al.	
	A30	5,871,918	02-16-1999	Thorp et al.	
	A31	5,874,219	02-23-1999	Rava et al.	
	A32	5,891,630	04-06-1999	Eggers et al.	
	A33	5,922,591	07-13-1999	Anderson et al.	
	A34	5,929,208	07-27-1999	Heller et al.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.

16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO  
AUG 02 2004 (Modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

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<b>Complete if Known</b>	
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	A35	5,942,443	08-24-1999	Parce et al.	
	A36	5,945,286	08-31-1999	Krihak et al.	
	A37	5,945,334	08-31-1999	Besemer et al.	
	A38	5,965,452	10-12-1999	Kovacs	
	A39	5,968,745	10-19-1999	Thorp et al.	
	A40	5,972,692	10-23-1999	Hashimoto et al.	
	A41	5,989,402	11-23-1999	Chow et al.	
	A42	5,991,030	11-23-1999	Yamamoto et al.	
	A43	6,740,518 B1	05-25-2004	Duong et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1	EP 0 142 301 A2	05-22-1985	Serrono Diagnostics Ltd.		
	B2	WO 98/12539 A1	03-26-1998	Meso Scale Technologies, LLC		
	B3	WO 98/15893 A1	04-16-1998	Advanced Risc Machines Ltd.		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	C1	BURNS, M., et al., "An Intergrated Nanoliter DNA Analysis Device," <i>Science</i> 282(5388):484-487 (Oct. 1998).	
	C2	CHE, G., et al., "Voltammetry of defect sites at a self-assembled monolayer on a gold surface," <i>J. Electroanal. Chem.</i> 453(1-2):9-17 (Aug. 1998).	
	C3	FOJTA, M., et al., "Supercoiled DNA-modified mercury electrode: A highly sensitive tool for the detection of DNA damage," <i>Anal. Chim. Acta</i> 342(1):1-12 (Apr. 1997).	
	C4	MIKKELSEN, S., "Electrochemical Biosensors for DNA Sequence Detection," <i>Electroanalysis</i> 8(1):15-19 (1996).	
	C5	SINGHAL, P., et al., "Sinusoidal voltammetry for the analysis of carbohydrates at copper electrodes," <i>Anal. Chem.</i> 69(8):1662-1668 (Apr. 1997).	
	C6	WOOD, J.C., et al., "Time-frequency transforms: a new approach to first heart sound frequency dynamics," <i>IEEE Transact. Biomed. Eng.</i> 39(7):730-740 (Jun. 1992).	

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<sup>6</sup> If possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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